

INDEX.

ACCIDENT, A Terrible, . . . 86
Acid Fixing Bath, A Permanent, 478
Adulteration of Paper Stock, . . 65
Aerial Perspective, X. Smith, . . 7
Photography, 472
Alcoholic Solutions, 287
Alleged Inferiority of American Plates, Etc., 53
Aluminum Tripods, 428
Amateur Society of New York, 194
American Amateur quoted, . . 53
American Films, Alleged Inferiority of, 53
American Philosophical Society, Mention of, 284
Amidol, 38, 44, 137
Some Additional Notes on, Julius F. Sachse, 155
Chemistry of Development, . 315
Ammonium Hyposulphite, . . 381
Sulphocyanide of, 381
Anachronism in Art, 354
An Incongruity, 40
Aristotypes, Full Instructions, . 33
Toning, 34
Fixing, 34
Burnishing, 35
Aristotype, Bradfisch & Pierce, 197
Arnold, Sir Edwin, 507
Arctic Explorations, Hand Camera in (Illustrated), Wm. E. Meehan, 5
Snapshots, Wm. E. Meehan, 87
Art, A Neglected, X. Smith, . . 255
Art in Portraiture, 241
Art Gallery, A New, 546
Astronomer's Measures, 469
Astronomical Photography, . . 377
Awards, Sixth Joint Exhibition, 218
BACHE, PROF. R. MEADE,
Paper by, 533
Balloon Photography, W.N. Jennings, 357
Julius F. Sachse, 384
Balloon Photography, 470
Batton, W. B., Paper by, 303
Baldock, J. H., Paper by, 208, 270
Bedding, Thomas, Paper by, . . 493
Bird's Feathers, The Color of, Witmer Stone, 163
Black Stain for Wood, 238
Blemishes, Reducing, 90
Blue Process, The, 577
Blue Book, 338
Blue Prints, To Brown, 127
Bombarded by Cameras, 332
Boye, Prof. Martin H., Mention of, 369
Portrait of, 375
Bromide Print, The Largest, . . 231
Bromide, First Application of, . 283
Bromide, Action of with Various Developers, 462
Bromide Prints, Formulae, 481
Burglar, A Photographic, 529
Burnham, Prof. W. S., Paper by, 268
Burton, Prof. W. K., Paper by, 170, 293
The Concentric Lens, 59

INDEX.

ACCIDENT, A Terrible, . . . 86
Acid Fixing Bath, A Permanent, 478
Adulteration of Paper Stock, . . 65
Aerial Perspective, X. Smith, . . 7
Photography, 472
Alcoholic Solutions, 287
Alleged Inferiority of American Plates, Etc., 53
Aluminum Tripods, 428
Amateur Society of New York, 194
American Amateur quoted, . . 53
American Films, Alleged Inferiority of, 53
American Philosophical Society, Mention of, 284
Amidol, 38, 44, 137
Some Additional Notes on, Julius F. Sachse, 155
Chemistry of Development, . 315
Ammonium Hyposulphite, . . 381
Sulphocyanide of, 381
Anachronism in Art, 354
An Incongruity, 40
Aristotypes, Full Instructions, . 33
Toning, 34
Fixing, 34
Burnishing, 35
Aristotype, Bradfisch & Pierce, 197
Arnold, Sir Edwin, 507
Arctic Explorations, Hand Camera in (Illustrated), Wm. E. Meehan, 5
Snapshots, Wm. E. Meehan, 87
Art, A Neglected, X. Smith, . . 255
Art in Portraiture, 241
Art Gallery, A New, 546
Astronomer's Measures, 469
Astronomical Photography, . . 377
Awards, Sixth Joint Exhibition, 218
BACHE, PROF. R. MEADE,
Paper by, 533
Balloon Photography, W.N. Jennings, 357
Julius F. Sachse, 384
Balloon Photography, 470
Batton, W. B., Paper by, 303
Baldock, J. H., Paper by, 208, 270
Bedding, Thomas, Paper by, . . 493
Bird's Feathers, The Color of, Witmer Stone, 163
Black Stain for Wood, 238
Blemishes, Reducing, 90
Blue Process, The, 577
Blue Book, 338
Blue Prints, To Brown, 127
Bombarded by Cameras, 332
Boye, Prof. Martin H., Mention of, 369
Portrait of, 375
Bromide Print, The Largest, . . 231
Bromide, First Application of, . 283
Bromide, Action of with Various Developers, 462
Bromide Prints, Formulae, 481
Burglar, A Photographic, 529
Burnham, Prof. W. S., Paper by, 268
Burton, Prof. W. K., Paper by, 170, 293
The Concentric Lens, 59

CALIFORNIA CAMERA CLUB,	51, 194, 240, 526	Cooper, Charles, Paper by, 394
Camera Club, New York City,	139	Cooper, W. A., Paper by, 447
University of Penna.,	28, 146	Copying Ink, 478
Carbon Print,	231	Cornelius, Robert, Mention of, 369
Printing,	133	Portrait and Obituary, 420
Printing, W. A. Cooper,	447	Counterfeit Note, A Photographic, 434
Carbutt, John, Paper by,	407	Courtesy in Reception-Room, 122
Careless versus Careful Work, X.		Cramer, G., Paper by, 404
Smith,	123	Credit Where Due, 471
Celloidin Paper,	236	Cutting Glass, Useful Hints, 317
Cerium, Salts of,	238	
Chaldean Art, A Recent Find,	525	
Chart for Testing Lenses,	99	
Charter Granted, Photographic,	40	
Charity, A Worthy Cause for,	188	
Chemistry of Development,	40	
Chinese Registration Act, Attempt to Evade,	101	
City Survey Work, Photographing,	427	
Civil and Military Photogrammetry, R. Meade Bache,	533	
Clearing Negatives Developed in Impure Water,	479	
Clearing Solution,	531	
Clemons, John R., Communication by,	97	
Club Types,	220	
Coarse-Grained Negatives, How to Prevent, M. A. Seed,	411	
Coating Zinc Trays,	287	
Coloring Brass,	290	
Color Blindness, Remedy for,	557	
Photography,	330	
Scenes, When and How to Use,	408	
Compass, Self-Recording,	463	
Compliment, A Well-Deserved,	191	
Concentric Lens, The, W. K. Burton,	59	
Experiments With,	63	
Congress Auxiliary, Photographic,	38	
		DAGUERREOTYPES, Cleaning and Restoring, 46
		Reproduction of, 107
		Daguerreotype, The, 186
		Dana, of New York, Mention of, 196
		Dark Room, Ventilation in the,
		Edgar Richards, 118
		Dark Siides, Novel, 95
		Dark Rooms at the Fair,
		Free, 340
		Day, The Length of, 127
		Dead Black, A, 578
		Defective Photographic Apparatus, 470
		Definite Percentage Composition, Solutions of, Edgar Richards, 3
		Tables, 4
		Detected by Photographs, 506
		Developers, Commercial, Hydro-
		chinone, 140
		Concentrated, 141
		Compound Eiko-Hydro, 141
		Latest Rapid, 141
		Developer for Snapshot Exposures, 142
		Developers for Lantern Plates, 142
		Developer, Combined, 432
		Development with Acid Solutions, August and Louis Lumiere, 151

Development of the Picture Idea, 285
 Diamidophenol, Andressen's
 Formula, 142
 Diffused Definition, To Obtain, 547
 Draper, Mrs. Prof., Quoted, 194
 Drawings, To Mount, 93
 Dry Plates, American, 471

EARLY Daguerreotype Days
 (Illustrated), J. F. Sachse, 369
 Eastman Prizes, The, 292
 Ebonizing Wood, 288
 Eclipse Photographs, The, 379
 Eder, Dr. Jos. M., New Book, . 484
 Editorial Dropshutter, . 38, 137,
 189, 231, 283, 428, 470, 526, 572
 Ehrmann, Prof. Charles, Men-
 tion of, 340
 Eikonogen, For Density, 44
 Electric Spark Photography, . 97
 Electrical Wonder, Another (Il-
 lustrated), 316
 Elementary Optics (Illustrated),
 J. F. Sachse, 181, 224,
 274, 319
 Elementary Stereography, Thos.
 Bedding, 493
 England, J. Desire, Paper by, . 281
 English Patents, 419
 Essig, George E., Illustration by, 549
 Exhibition, Catalogue of, 217
 Exhibition Echoes, 285
 Exhibition, The Sixth Joint, 212
 The Sixth Annual Joint, 50
 Sixth Joint, Awards, 218
 The Lessons of, J. F. Sachse, 197
 Expensive Review, An, 428
 Eye, The, Past and Present, 178

FAD, A New, 89
 Faded Silver Prints, Re-
 storing, 287
 Férrro-Prussiate Prints, Black, 236
 Black Tones in, 480

Films, English, 57
 Enlarging, 481
 Light Proof, 526
 Orthochromatic, As persion
 Upon, 54
 Fire, Studio Destroyed, 334
 Fish Oils, 442
 Fish, The Propulsion of, 166
 Fixing Agent, A New, R. Ed.
 Liesegang, 437
 Compounds, Commercial, 141
 and Toning Cartridges, Com-
 mercial, 141
 Flash-Light System, 527
 Fluoreal, 531
 Flying Machines, 575
 Focal Plane Shutter, The Latest, 115
 Focusing, Ellerslie Wallace, 201
 Foggy Plates, Restoring, W. B.
 Batton, 303
 Formulae, Metol Developer, 22
 Pin-Hole Photography, 26
 Andressen's Diamidophenol, 142
 Formula for Intensification, 271
 Formula, Ivorine Rolland, 378
 Formula for Reducin, 430
 Frilling, 380
 Frost Pictures, Artificial, 241
 Frontispiece, February, 87

GALLIC ACID, Conversion of, 44
 Gelatino-Chloride Papers, 565
 Gelatine Dry Plates, Formula for, 281
 Gilt Frames, To Remove Tarnish
 from, 70
 Goddard, Dr. Paul Beck, Por-
 trait of, 309
 Notice of, 328
 Mention of, 369
 Gold in Potassium Cyanide, So-
 lution of, 288
 Graduates, Unbreakable, 290
 Gutekunst, F., Illustration by, 293

HAND CAMERAS, Use and Abuse, 131
Hand Camera, The Influence of, Walter D. Welford, . . . 247
 Mental and Physical Influences, 253
Hand Cameras, To Blacken, . . . 238
Hanging Pictures, 43
Heliochromoscope, The (Illustrated), F. E. Ives, . . . 350
Heliochromy, Composite, Medal for, 15
 F. E. Ives, 82
 Dr. H. W. Vogel, 82
 Leon Vidal, 82
Heliochromy, Lumiere's Application of, 382
Hemperley, Illustration by, . . 485
Holman, D. S., The Microscope, 233
Honor, A Well-Deserved, . . . 15
Hoppin, Prof. J. M., Paper by, 348
Hough, Prof. Geo. W., Paper by, 514
Human Body, Facts About, . . 434
Hypo, Manifold Use of, . . . 192
Hy-Jenny-Kins, 40

ILLUSTRATION, The Old Homestead, . . . Frontispiece
Illustration, Flash-Light Picture, 53
 The Old Apple Woman, . . . 69
 Automatic Water Stills, . . . 72
 Winter Scene at Niagara, . . 101
 Parvin Tele-Photo Objective, 149
 Two Rosebuds, 197
 By J. M. Brainerd, 229
 Petsch of Berlin, 229
 W. G. C. Kimball, 230
 J. Landy, 230
 E. Moegle, 231
 Loescher & Petsch, 231
 C. S. Bateman, 232
 Frank Thomas, 232

The Pennsylvania State Building, 245
 Parvin Tele-Photo Lens, . . . 261
 The Old Liberty Bell, 293
 Portrait of Dr. Paul B. Goddard, 309
 Karl Handle, On Omega Paper, 341
 Balloon Photography, 357
 "Buffalo Bill," Lithium Paper, 389
 A Seasonable Subject, by Levytype Co., 437
 Flash-Light Interior, 485
 The Gilpin Gallery, 533
 A Gleam of Sunlight, 549
 Important Decision, An, . . 492, 555
 In Black and White, 580
 India-Rubber, Action of Metals and Acids on, 459
 Ingersoll, Ernest, Paper by, . . 19
 Ink, Typewriter, 478
 Copying, 478
 Intensification, Theory and Practice of, 120
 Formulae for, 271
 Intensification of Gelatine Prints, 379
 Intensification, Theory and Practice of, J. H. Baldoek, . . 208
 Intensification, Metol, 486
 Rapid, J. F. Sachse, 485
 In the Twilight Hour, . 98, 147,
 195, 242, 290, 435, 483
 Interference Bands, 477
 International Exhibition, Hamburg, 386
 Iodine Starch, 180
 Ives, F. E., Honored, 15
 Composite Heliochromy, . . . 82
 from German Standpoint, . . 231
 Paper by, 350
 New Venture, 522
 Ives on Lumiere-Lippmann, . . 572
 Ivorine Rolland, Formula, . . 378

JAPAN Society, Catalogue of, 338

KALONA PAPER, Toning
Baths, 36

Kinetograph, The, 333

Kleptomaniac, A Boy, 476

Knowlton, George, Paper by, . . 76

Kodak Victory, A, 243

Koehler, Prof. S. R., Mention
of, 502

LANGENHEIM, WM., Early
Advertisements, 373

Lantern Manipulation, Hints on, 439

Lantern Plates, Developer for, . 142

Lantern Slides, Wanted, 41

Largest Picture at World's Fair, 339

Lea, M. Carey, Paper by, . . . 107

Lead Pencil Sketches, Reproduc-
tion of, 103

Lead Toning Bath, 289

Leaves, How to Get a True Col-
ored Picture, 308

Lenses, How to Preserve, . . . 81
Chart for Testing, 99

Lenses Stolen, 138

Lenses, Long-Focus, in Land-
scape Work, X. Smith, . . . 205

Less Praise, More Art, Charles
Howell Miller, 73

Levytype Co., Autoglyphic Re-
production, 437

Lick Observatory, Night at, . .

Life and Character Studies, . . 251

Lighting, A New Mode of, X.
Smith, 345

Linear Perspective, X. Smith, . 488

Light and Disease, 469

Lindsay, W., Paper by, 510

Literary and Business Notes, 52,
99, 196, 243, 290, 338, 435,
484, 532

Lithia, 531

Lithium Paper, Illustrations on, 429

London Camera Club, 239

Lumiere-Lippmann Results, F.
E. Ives, 541

Lunar Photography, 268

MACLEAN, Hector, Paper
by, 29

MacLaurin, Paper by, 161

Make Haste Slowly, X. Smith, 443

Manuscript Lantern Slides, . . 472

Marble, To Print On, 578

Marny, Due de, Mention of, . . 179

Mayall, Jabez, Daguerreotypes
by, 371

Meehan, Wm. E., Illustrations
by, 17

Medals, The Plague of, Hector
Maclean, 29

Medals, Discussion About, . . 138

Metol, Description of, 22
Developer for Positives, . . . 24
Intensifier, Dr. J. M. Eder, . 140

Meteor Photographed, 93

Metric Equivalents, 384

Microphotography, Orthochro-
matic, 480

Miller, Chas. Howell, Paper by, 73

Minneapolis Camera Club, . . 51,
97, 194

Mineral Adulteration of Paper, . 129

Mineral Filling in Paper, 66

Modern Science, Conquests of, . 160

Mountants, Gelatine, 180
Concerning, Chas. MacLaurin, 161

NATURE'S MIMICRY, . . 446
Nature's Photography, . . 473

Negatives and Plates, Proper
Handling of, 76
To Reproduce from Paper
Prints, 167

Negatives Found, 527

Nitro-Metals, 335

Note Paper, New,	47
Newark Camera Club,	239
O BJECTIVE, A New Tele-	
Photo, Albert B. Parvin,	149
Odd Ways of Making a Living,	333
Oil Paintings, Reproduction of,	104
Old Apple Woman,	87
Old Homestead, Intaglio Print,	1
Old Liberty Bell,	328
Omega Picture, Our,	360
Optical Lantern, Novel Use of, .	233
Orthochromatic Photography,	
Practical Application of, J.	
Carbutt,	407
Photography,	235
P ANORAMIC CAMERA, A	
New,	471
Paper Stock, Adulteration of, J.	
F. Sachse,	65
Paramidophenol,	531
Parvin, Albert B., Paper by, .	149
Illustration by,	261
Mention of,	315
Patents, Photographic, . .	100,
	244, 340, 532
Pedantry,	191
Pennsylvania at World's Fair, .	328
Phenol, Action of Light on, .	238
Philadelphia's Share in the De-	
velopment of Photography,	42
Philosophy of Art,	348
Photo-Dyeing,	223
Etching,	234
Keramik,	243
Corrector, A,	290
Engraving, Treatment of Or-	
iginals for,	358
Xylography,	382
Telegraphy, Prof. W. W.	
Tacute,	393
Mechanical Reproduction, The	
First, J. F. Sachse, . . .	502
Mechanic Print Procedure,	
J. Husnik,	519
Chromotype,	573
Photogrammetry,	572
Photographic Hints and Formu-	
lae, . 44, 140, 235, 287, 378,	
430, 477, 530,	577
Scissors and Paste, . 88, 332,	
	433, 472, 575
Medals,	32
Society of Japan, . . 50, 193,	
	240,
of Philadelphia, 48, 193, 240,	
	286, 329
Communication from, . .	48
Notice of,	329
Times, Quoted,	55
Objectives, Care of,	112
Exhibition, National,	127
Work,	137
Patents,	148
Relics,	177
Work, Volume I.,	191
Papers at the World's Fair, .	279
Mount, A Novel,	289
Objective, The, J. F. Sachse,	309
Tour, A,	335
Weather, Ellerslie Wallace, .	341
Society of Great Britain, . .	387
Catalogue of,	436
Congress in London,	471
Telescope, The Bruce, . . .	487
Outing, A,	528
Society of Philadelphia, A	
New Departure,	579
Photographing An Active Vol-	
cano,	518
Unknown Dead,	327
Upon Boxwood,	477
Photographers, Short-Sighted, .	39
Photographer, Fiendish Act of,	90
Photographer's Advice, A, . .	233
Photographer, The Good, . .	333

Photographers' Association, 13th
 Convention, 389
 Prizes, 392
 Officers, 392

Photographs, Fine, 52
 Fine Cabinet, 52

Photograph Frames, Quaint, . . 94
 Have Ready, 169

Photographs, Fine Specimens, . . 192, 232

Photograph, The Largest, 475

Photographs in Natural Colors,
 Leon Warnerke, 552
 Without Objective, 558

Photography, Pin-Hole, J. Favre
 Brandt, 26
 A Perversion of, 37
 Under Water, 93
 Electric Spark, 97
 Statuesque, 136
 Scientific, 170
 Thumb, 192
 Sounds of Vowels, 194
 Novel Application of, 204
 Ethnological, 232
 and Art, 234
 Orthochromatic, 235
 Interesting Use of, 246
 Lunar, 268
 The Center of, 285
 Official, at World's Fair, . . 367
 Isochromatic, G. Cramer, . . 404

Pictures, Decorative Use of, . . 80
 Framing of, 95

Pin-Hole Photography, J. Favre
 Brandt, 26

Plates and Negatives, Proper
 Handling of, George Knowl-
 ton, 76

Platinum Patents, Expired, . . 40
 Residues, 81

Printing, 302

Toning Bath for Silver Prints, 381

Tints, Warm-Toned, 431

Platinotypes, Uranium Toning, 431

Portrait Study on Lithium Paper, 389

Posing and Illumination, E. M.
 Estabrooke, 453

Positives, Metol Developer for, 24
 Reversed from the Originals,
 M. Balagny, 164

Postal Service, Growth of, . . 474

Practical Hints, 44

Printing Process, A Red, 235

Prints, Black, Ferro-Prussiate, . 236

Prize Offer, A, 331

Prizes Offered, 336

Proprietary Compounds, 140

Prosperous Photographer, A, . . 241

Protection to the Eyes, 504

Pyro Stains, 531

RAİNBOW in the Camera,
 The, 313

Rapid Printing on Ordinary Al-
 bumenized Paper, 550

Rau, W. H., Illustration by, . 101

Reducin, A New Developer, . . 430

Removing Yellow and Green Fog, 577

Reproduction of Pencil Sketches,
 Oil Paintings, and Dag-
 uerreotypes, 103

Resignations, 41

Restoring Faded Silver Prints, . 287

Restraining, Dr. J. M. Eder, . . 428

Retouching, William Parry, . . 299
 Pencil, 521

Richards, Edgar, Tables for So-
 lutions of Definite Percent-
 age Composition, 3

Automatic Water Stills, 71

Paper by, 118

Rolfe H. Parker, Illustrated by, . 53

Rosetta Stone, The, 337

Ruthenium Red, 412

Rust, To Remove from Steel, . . 46

SACHSE, J. F., Papers by, 65, 197, 261, 384, 486, 502
 Notes on Amidol, 155
 Elementary Optics, 181
 Translation by, 437
 Illustration by, 533
 Safe Dark Rooms, 413
 Salutatory, 1893, 1
 Saxton, Joseph, Mention of, 369
 Scheele, Anniversary, 240
 Seavey & Fowler, Illustration by, 197
 Seaside Incident, A, 433
 Seismology, Application of Photography to, Prof. W. K. Burton, 170
 Self-Praise No Recommendation, X. Smith, 324
 Sensitiveness of Photographic Plates, 514
 Sharp, Prof. Benjamin, Mention of, 518
 Shaskin Sowa, The, 471
 Shutter and Diaphragm, Combined, 47
 Silver Chloride, Action of Light on, 45
 To Prevent Blackening, 47
 Basic Salts of, M. Carey Lea, 107
 Stains on Plates, 289
 Sixth Annual Exhibition, Circular, 143
 Rules, 144
 Smith, Xanthus, Papers by, 7, 67, 123, 205, 255, 324, 345, 413, 488
 Snapshots at Royalty, 2
 Developer for, 142
 Without a Permit, 335
 Snapschotte, J. Focus, Papers by, 32, 265, 465
 Snelling, H. H., Appeal for, 188
 Second-Hand Sponges, 461
 Society Notes, 143, 193, 239, 286, 386, 580
 Sodium Sulphate, 287
 Some Additional Notes on Amidol, J. F. Sachse, 155
 Spectrum of Comet, 14
 Splendid Business Structure, 338
 Sport Without a Gun, Ernest Ingersoll, 19
 Standard Screws, 435
 Statuesque Photography, 136
 Stellar Spectrum Analysis, 434
 Stone, Witmer, Paper by, 163
 St. Paul Camera Club, 239
 Street Characters, X. Smith, 67
 Strengthening Large Surfaces of Negatives, 460
 Studies, Life and Character, 251
 Studio Robbed, 332
 Study in Posing, Omega Print, 341
 Submarine Photography, Automatic, J. Focus Snapschotte, 465
 Suggestions, Practical, 77
 Sunbeam, The Sound of, 206

TACQUES, PROF. W. W., Paper by, 393
 Talc Industry, The, 128
 Talkee-Talkee, No Workee, Walter D. Welford, 467
 Taylor, Geo. M., Obituary, 388
 In Memoriam, 573
 Telautograph, The, 434
 Tele-Photo-Lens, The Parvin, J. F. Sachse, 261
 Tele-Photo Principle, The, 233
 Tele-Photo Experiment, 261
 Tele-Photographic Lens, Prof. W. K. Burton, 293
 Tele-Photography, Comparative Test, Prof. W. K. Burton, 324, 328

Temperance Photography, 433
 Thiosinamin, 437
 Tides, 563
 Tidiness in Studio, 122
 Toning and Fixing Bath, Combined, 237
 Toning Bath for Kalona Paper, 36
 Toning Bath, Celloidin, 237
 Combined, 289
 Lead, 289
 Platinum, for Printing-Out Films, 380
 Toning and Fixing Bath, Without Sulphocyanide, 479
 Transparency Making for the Lantern, 362
 Triennial Exhibition, 529
 Trokonet, The, 233
 Turkeytown Hypo Club, New Departure, J. Focus Snapp-schotte, 32
 The, J. Focus Snappschotte, 265
 Typewriter Ink, 478

ULTRA-VISIBLE Measurements, 417
 University Lecture Course, 96
 Unpleasant Familiarity, 428
 Unsuspected Sources of Failure, 510
 Uranium Toning. 381
 of Platinotypes, 431

VALLEY FORGE, Booklet of, 339
 Variety, Individuality, and Invention (Illustrated), . . 228
 Variable Stars and Photography, 474
 Varnish for Films, An Aqueous, 353
 Ventilation in the Dark Room (Illustrated), 118

Vibration, To Diminish, 95
 Vidol, Leon, Composite Helio-chromy, 82
 Victoria Disaster, The, 473
 Vogel, Dr. H. W., 82
 Volcanic Phenomena, Application of Photography to, Prof. W. K. Burton, 170
 Vowels, Sound of, Photographed, 194

WALLACE, ELLERSLIE, Paper by, 201
 Warnerke, Leon, Paper by, 552
 Washington Telescope Lens, Removal of, 92
 Wastes, What and How to Save Them, 394
 Water-Proof Glue, 288
 Water Stills, Automatic, Edgar Richards, 71
 Welford, Walter D., Papers by, 247, 467
 Wilson, Dr. Edward L., Paper by, 228
 Winter Scene at Niagara, 139
 Wolf, Dr. Max, Mention of, 233
 Wood Pulp as Absorbent, 31
 World's Fair Congress of Photography, Editorial, 189
 Congress Auxiliary, 398
 Proceedings at, 399
 Columbian Commission, 187
 Fair, The, 245
 Fair, Photographic Papers of, 279
 Fair Photography, 302
 Fair, Official Photography at, 367
 Wood, James F., Illustration by, 69

